

CORRESPONDENCE CONTROL  
OUTGOING LTR NO.

DOE ORDER #

21 RF00838



DIST.	Ltr	Enc
Baca, T.		
Bensussen, S. J.		
Brailsford, M. D.		
Butler, L.		
Card, R. G.		
Daniels, K.		
Dieterle, S. E.		
Ferrera, D. W.		
Ferri, M.		
Fulton, J. C.		
Gibbs, F.	X	
Martinez, L.A.		
Motes, J.		
Parker, A.		
Powers, K.		
Scott, G.		
Shelton, D.		
Spears, M.		
Steward, B.		
Trice, K.		
Tuor, N. R.		
<del>Feiboth, C.</del>		
<del>Parsons, D.</del>	X	X
<del>Vesta, S.</del>	X	
Cable, J.R.		
Hayduk, R.B.		
Hoague, G.		
Kopplin R.E.		
Lucerna, J.J.		
Marschall, J.R.	X	X
Parker, T.J.		
Thompson, J.D.		
CORRESPONDENCE CONTROL	X	X
PATS/T130G		
CLASSIFICATION:		
UCNI		
UNCLASSIFIED	X	X
CONFIDENTIAL		
SECRET		

APR 20 2001

01-RF-00838

Steve Tower  
D&D Program Lead  
DOE, RFFOTRANSMITTAL OF THE SECURITY CLUSTER RECONNAISSANCE LEVEL  
CHARACTERIZATION REPORT (RLCR) – DWF-003-01

Provided for your review and approval is subject report for Buildings 550, 761, 901, 762, 762A, 792, and 792A (a.k.a. Security Cluster). This report characterizes the physical, chemical and radiological hazards associated with these buildings, summarizes the characterization activities, defines the Data Quality Objectives developed for this characterization, and presents the data quality assessment, verification and validation of results.

Planning and characterization of interior and exterior floors, walls and ceilings of these facilities was conducted in accordance with the D&D Characterization Protocol (DDCP), the Reconnaissance Level Characterization Plan (RLCP), the draft Pre-Demolition Survey Plan (PDSP), and the Multi-Agency Radiation Survey and Site Investigation Manual (MARSSIM). The preparations of the Characterization Packages were identified for all buildings based upon historical and process knowledge, facility location on-site, personnel interviews, radiological data, etc. Surveys and sampling, for both radiological and non-radiological constituents were conducted per applicable site procedures.

Results of our characterization effort indicate that no radioactive contamination exists in excess of the prescribed limits and that no significant physical hazards are present. Buildings 762 and 792 contain asbestos in both friable and non-friable form. All of the buildings may contain PCB fluorescent light ballasts and PCB paints, and will be disposed of appropriately. Based upon our results of this RLCR, the Security Cluster buildings are considered Type 1 Facilities.

AUTHORIZED CLASSIFIER

SIGNATURE

04/17/01

DATE

IN REPLY TO RFP CC NO:

ACTION ITEM STATUS

PARTIAL/OPEN

CLOSED

ORIG. &amp; TYPIST INITIALS

Kaiser-Hill Company, L.L.C.

 Prior Address: Rocky Flats Environmental Technology Site, State Hwy. 93 and Cactus, Rocky Flats, CO 80007 • 303.966.7000  
 Mailing Address: P.O. Box 464, Golden, Colorado 80402-0464

ADMIN RECORD

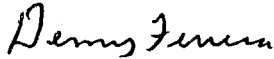
IA-A-000817

Steve Tower

DWF-003-01

Page 2

Upon your approval, please forward this report to the CDPHE for their review and concurrence. Please notify Kaiser-Hill, within the 20 days required per the DOE/K-H contract, when you transmit this document to CDPHE. If you have any questions, don't hesitate to call me at extension 5008.



Denny Ferrera  
RISS Deputy Project Manager  
Kaiser-Hill Company, L.L.C.

DP:jlh

Enclosure:  
As Stated

Orig. and 1 cc – S. Tower

cc w/o Encl:  
Fred Gerdeman

**Kaiser-Hill**  
**ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE**

Date Routed: 4/16/01

Return by: \_\_\_\_\_  
 Reply by: \_\_\_\_\_

**CORRESPONDENCE APPROVAL ROUTE SHEET**  
**And CONTROL SLIP (Information may be handwritten)**

Originator: Duane Parsons

Department: \_\_\_\_\_

Typist: Jan Hayes

Telephone: 1 786-7

Location: 116

Letter No: DWF-003-01/01-RF-00838

Reply to: \_\_\_\_\_

Subject: Transmittal of Security Cluster Reconnaissance, Characterization Report  
 For Signature by: D. Ferreira

**Reviewed and approved by:**

Route to:	Department	Approved	Date
<u>D. Parsons</u>	<u>RISS Char.</u>	<u>F. Gibbs</u>	<u>4/17/01</u>
<u>F. Gibbs</u>	<u>RISS Ind. Sec.</u>	<u>F. Gibbs</u>	<u>4/20/01</u>

**Letters being forwarded for signature or approval should be:**

1. Placed in a blue folder with the Correspondence Approval Route Sheet.
  2. Include any pertinent references and properly labeled attachments/enclosures.
  3. Left side of folder:
    - Additional copies, e.g. blind copies with appropriate sign off signatures
    - References (if any)
    - Other backup material
- Right side of folder:
- Original letter
  - Attachments/Enclosures

**Parsons, Duane**

**From:** David Kruchek [dakruche@smtpgate.dphe.state.co.us]  
**Sent:** Wednesday, June 13, 2001 12:25 PM  
**To:** duane.parsons@rfets.gov  
**Cc:** steven.tower@rf.doe.gov; frank.gibbs@rfets.gov; Steve Tarlton  
**Subject:** Re: CDPHE Concurrence of Security Cluster RLCR

Duane,

Perhaps I am not as confident in the ability of signage to control the import of contamination. I also realize that if these PACs did not find any contamination from previous use, then the probability of them being contaminated now is very remote.

However, even though remote, since these PACs are still in use, with all PA personnel passing through these buildings, there is still the possibility of contamination being inadvertently carried into the PACs. As such, upon their actual closure and discontinuation of use some final surveys need to be performed to properly demonstrate that these facilities are indeed not contaminated prior to their demolition.

The PDS isolation controls are not being utilized as necessarily intended with the PAC buildings. Having the entire PA workforce pass through an area daily is not considered appropriate isolation of the area, no matter how many signs you may post. As we have previously stated, the issue does not include the other security cluster buildings that have appropriate isolation controls limiting access to them.

It is interesting that you propose utilizing surveys/smears rather than scans, especially after previous discussions regarding the limitations of surveys, and the preference for performing scans. However, upon termination of use (closure) of these buildings, the proposed sampling effort appears to be appropriate.

**From:** Duane Parsons/RFFO1/USDOE@EXCHANGE on 06/12/2001 10:24 AM  
**To:** David Kruchek/SiteReps/rffo@RFFO  
**cc:** Frank Gibbs/RFFO1/USDOE@EXCHANGE, JR  
Marschall/RFFO1/USDOE@EXCHANGE,  
Steven Tower/doe/rffo@RFFO  
**Subject:** CDPHE Concurrence of Security Cluster RLCR

Dave,

I received the CDPHE concurrence letter for the Security Cluster RLCR.

In

the letter it stated that an additional final appraisal/characterization

needs to be performed prior to closure/demolition of these buildings. Prior to the start of the characterization efforts, Isolation Control signs were posted at all entrances leading into these facilities per the Pre-Demolition Survey Plan (Section 3.2). The purpose of the Isolation Control signs is to prevent cross-contamination or re-contamination of areas that are undergoing pre-demolition characterization or have already been pre-demolition characterized. The signs state that pre-demolition characterization has been performed and that the introduction of radiological or hazardous materials are not permitted in the facility.

There has been no evidence or indication that these signs have been compromised since characterization efforts began in these facilities. Therefore, I believe the Isolation Control signs have been effective in maintaining the integrity of the pre-demolition characterization results reported in the Security Cluster RLCR.

However, I propose that once the PAC buildings are closed to general traffic, we perform a radiological "Confirmatory Survey" in the PACs buildings to verify the Security Cluster RLCR

results have not been compromised. The confirmatory survey would consist of approximately 15 smears in each of the two PAC buildings (762A and 792A). The smear surveys would be documented on standard radiological survey forms and copies provided to CDPHE. Due to the low traffic and limited access of the other Security Cluster buildings (i.e., Guard Towers and Portals), and the use of the signs, it is felt that confirmatory surveys of these buildings are not necessary.

Please let me know if this approach/proposal will satisfy your request for an additional final appraisal/characterization prior to closure/demolition of these buildings. Thank you for your attention in this matter.

Duane Parsons  
RISS Facility Characterization Coordinator  
Phone: 303-966-6458  
Pager: 303-212-3734  
Fax: 303-966-6678

# STATE OF COLORADO

Bill Owens, Governor  
Jane E. Norton, Executive Director

*Dedicated to protecting and improving the health and environment of the people of Colorado*

**HAZARDOUS MATERIALS AND WASTE MANAGEMENT DIVISION**  
<http://www.cdphe.state.co.us/hm/>

4300 Cherry Creek Dr. S. Denver, Colorado 80246-1530 Phone (303) 692-3300 Fax (303) 759-5355	222 S. 6th Street, Room 232 Grand Junction, Colorado 81501-2768 Phone (970) 248-7164 Fax (970) 248-7198
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Colorado Department  
of Public Health  
and Environment

May 25, 2001

Mr. Joseph A Legare  
Assistant Manager for Environment and Infrastructure  
U.S. Department of Energy, Rocky Flats Field Office  
10808 Highway 93, Unit A  
Golden, CO 80403-8200

RE: Reconnaissance Level Characterization Report (RLCR) for the Security Cluster -  
Concurrence

Dear Mr. Legare:

The Colorado Department of Public Health and Environment, Hazardous Materials and Waste Management Division has reviewed Revision 1 of the Security Cluster RLCR for Buildings 550, 761, 901, 762, 762A, 792, and 792A. The Security Cluster RLCR Revision 1, dated May 17, 2001, was received by the Division on May 21, 2001. Based on the information contained in this RLCR, we are hereby concurring with the Type 1 designation for Buildings 550, 761, 901, 762, 762A, 792, and 792A.

Because Buildings 762, 762A (PACs 1), 792, and 792A (PACs 3) are still being used, the results provided in this RLCR may not be sufficient for the PDS as indicated. As such, an additional final appraisal/characterization including additional radiological surveys need to be performed prior to closure/demolition of these buildings. The results of the final appraisal and radiological investigation need to be provided during consultative meetings prior to demolition, as well as in the closeout report for the these buildings.

If you have any questions regarding this correspondence please contact me at (303) 692-3367 or David Kruchek at (303) 692-3328.

Sincerely,

Steven H. Gunderson  
RFCA Project Coordinator

cc: Steve Tower, FC, RFFO  
Duane Parsons, KH  
Frank Gibbs, KH  
Administrative Records Building 850

Tim Rehder, EPA  
Dave Shelton, KH  
Vern Guthrie, KH

# INTERNAL/EXTERNAL SCOPING MEETING

800 AREA FACILITIES  
SECURITY AREA FACILITIES  
400/500/900 AREA FACILITIES

D&D Program Office,

February 1, 2001

## FACILITY LIST

Building 864 – Guard Post

Building 830 – Power Supply Building

Building 885 – Drum, Paint and Oil Storage Facility

Building 863 – Electrical Switchgear/Transformer

Trailer 883D

Building S886 – Bus Stop/Car Pool Shelter

Tanks 020 and 021 – Nitric Acid Storage Tanks

Tank 026 – Carbon Dioxide Deluge Tank

B762A – PAC 1, and B762 – Portal 1

B792A – PAC 3, and B792 – Portal 3

B761 – Tower 1, B901 – Tower 2, and B550 – Tower 3

B442L – Laundry

B442W – HEPA Filter Warehouse

Trailer 551A – Offices

Trailer 900D – Offices/Labs



# CHARACTERIZATION SUMMARY

- Historical data available regarding operations and use
- Characterization data is not readily available; additional pre-demolition surveys and scans are required for release. Sampling is required for asbestos, Be, PCBs and RCRA/CERCLA constituents.

- Tanks, S886 and maybe other facilities will be characterized per the RFETS Property Release Evaluation procedures.

- Facility walk-downs indicate all facilities are in relatively good condition. Health and safety concerns have not been identified
- Most buildings are vacant, but contain material and equipment that will be removed prior to characterization.
- Current information indicates Facility Classifications as Type 1

## Security Cluster Area

### EXPLANATION

Security Cluster Buildings



### Standard Map Features

Buildings and other structures



Solar Evaporation Ponds (SEP)



Lakes and ponds



Streams, ditches, or other  
drainage features



Fences and other barriers



Paved roads



Dirt roads



THIS DRAWING IS A REPRODUCTION OF A  
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U.S. DEPARTMENT OF ENERGY. IT IS NOT  
A FINAL DRAWING AND IS NOT TO BE USED  
FOR CONSTRUCTION PURPOSES.



Scale = 1" = 52.70'  
1 inch represents approximately 448 feet



State Plane Coordinate Projection  
Colorado Central Zone  
Datum: NAD27

U.S. Department of Energy  
Rocky Flats Environmental Technology Site

Prepared by:

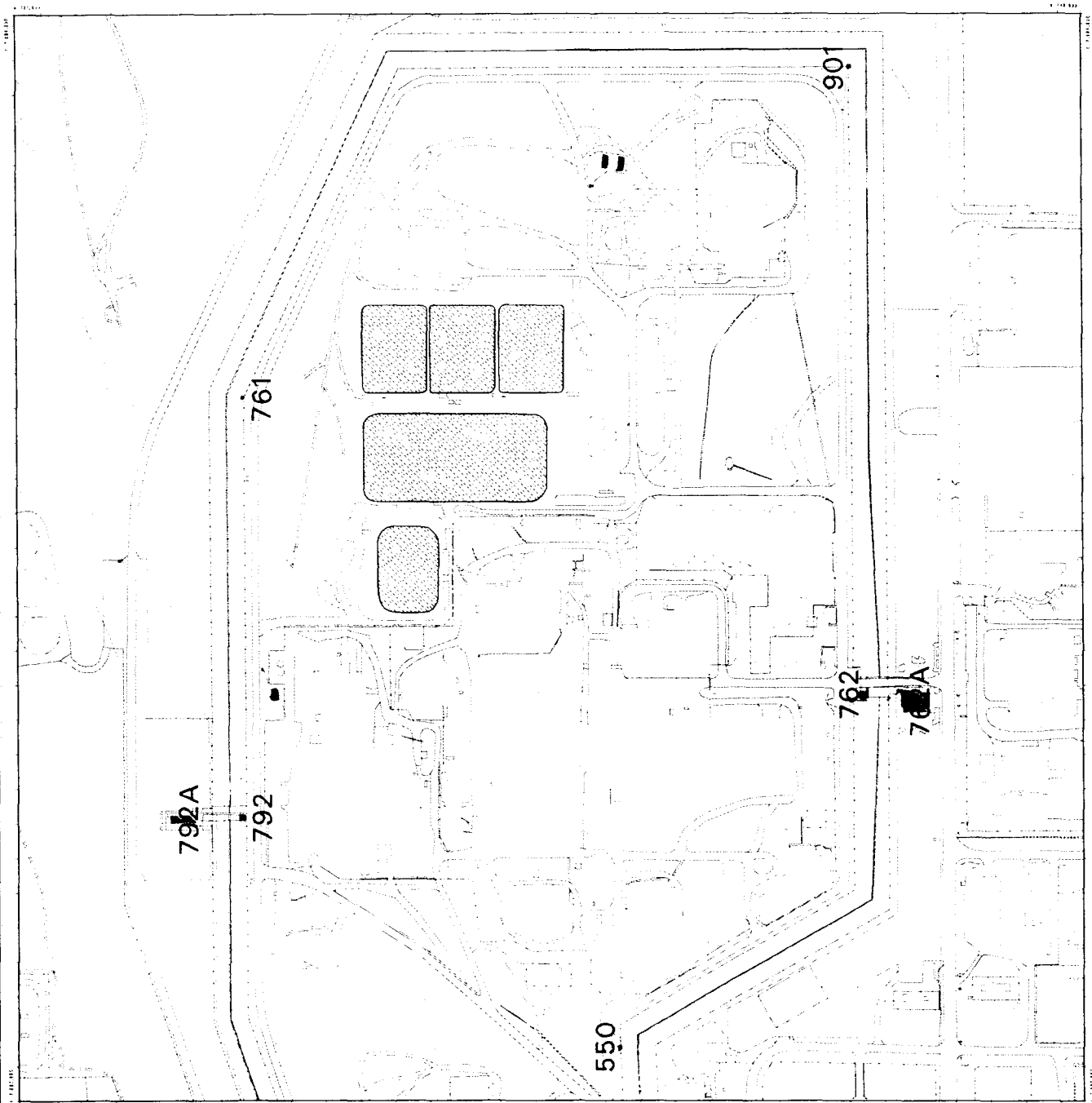
**DynCorp**

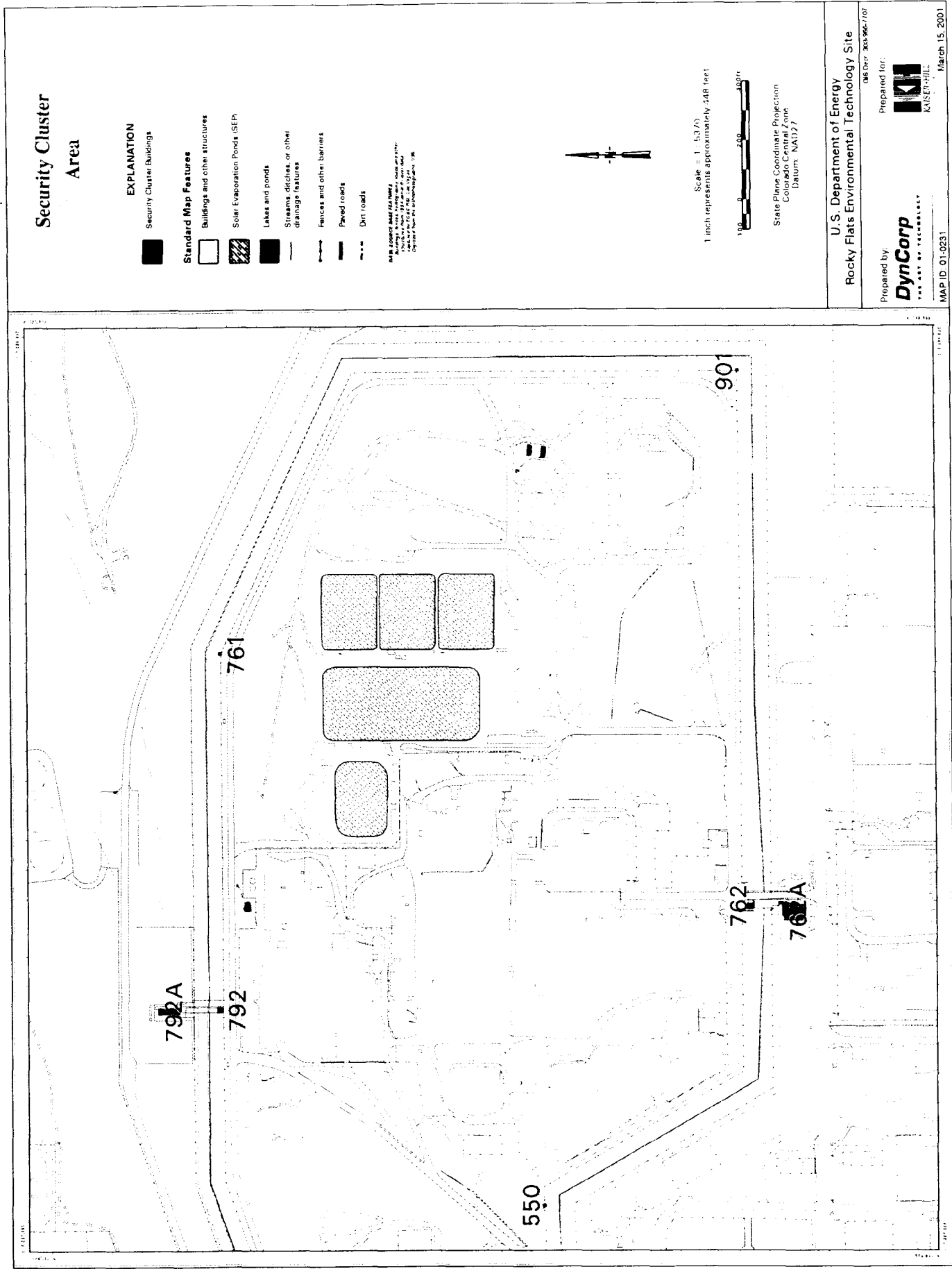


086 Dwg. 300-900-7107

MAP ID: 01-0231

March 15, 2001





# Security Cluster Area

## EXPLANATION

Security Cluster Buildings

## Standard Map Features

Buildings and other structures

Solar Evaporation Ponds (SEP)

Lakes and ponds

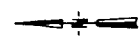
Streams, ditches, or other drainage features

Fences and other barriers

Paved roads

Dirt roads

NOT TO BE USED FOR ANY OTHER PURPOSES WITHOUT THE WRITTEN PERMISSION OF THE U.S. DEPARTMENT OF ENERGY



Scale = 1" = 148 ft  
1 inch represents approximately 148 feet



State Plane Coordinate Projection  
Colorado Central Zone  
Datum: NAD83

U.S. Department of Energy  
Rocky Flats Environmental Technology Site

Prepared by:  
**DynCorp**

Prepared for:  
**Kaiser-Hill**

MAP ID: 01-0231

March 15, 2001

# Security Cluster Area

## EXPLANATION

Security Cluster buildings

## Standard Map Features

Buildings and other structures

Solar Evaporation Ponds (SEP)

Lakes and ponds

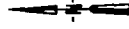
Streams, ditches, or other drainage features

Fences and other barriers

Paved roads

Dirt roads

Map prepared using GIS software. Symbols are printed in black ink on a white background. The map is not to be used for navigation purposes. It is a technical drawing and should not be used for any other purpose.



Scale = 1" = 43.70'  
1 inch represents approximately 438 feet



State Plane Coordinate Projection  
Colorado Central Zone  
Datum: NAD27

U.S. Department of Energy  
Rocky Flats Environmental Technology Site

088 Dr. 303-966-7707

Prepared for:



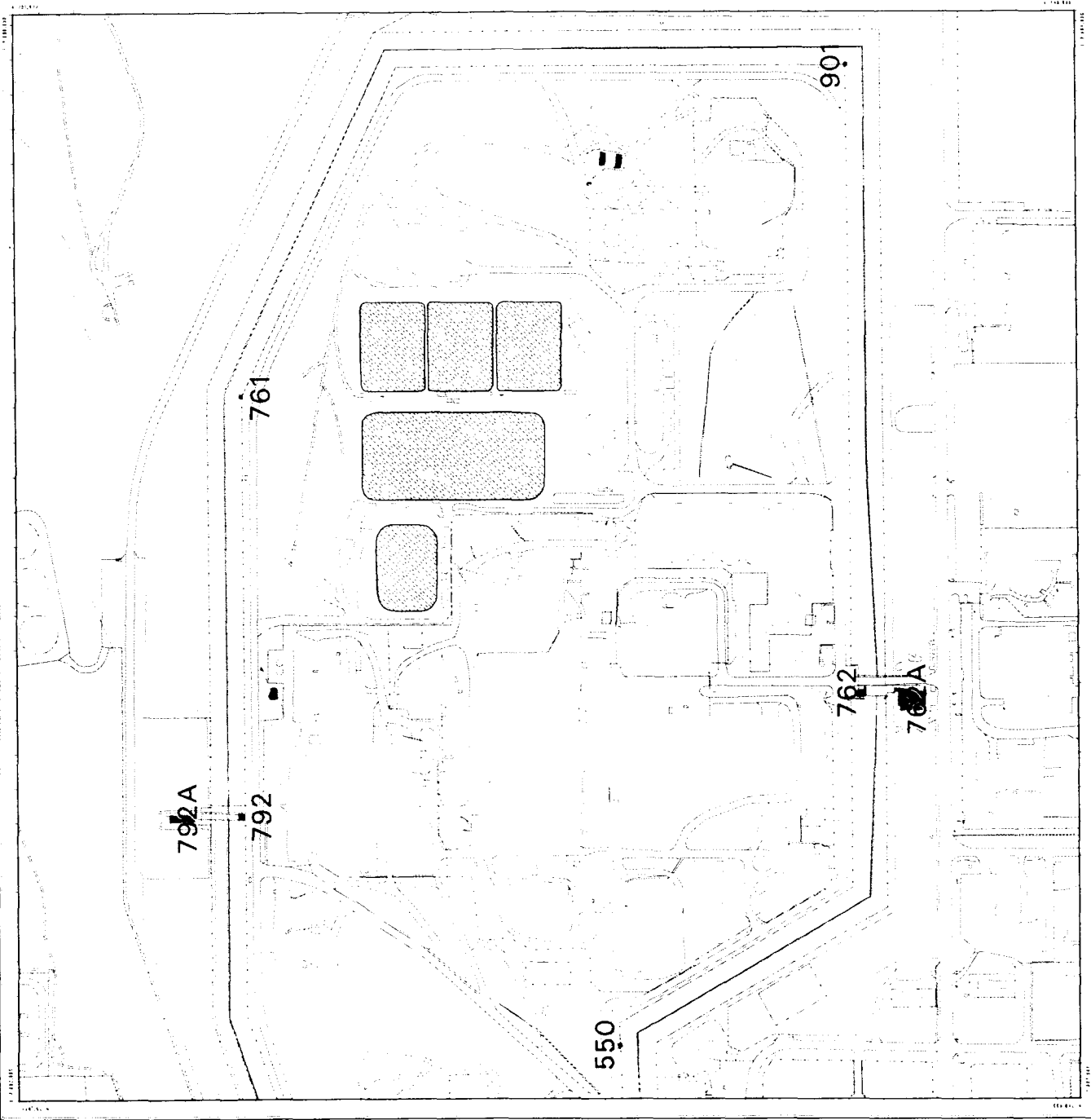
Prepared by:



MAP ID: 01-0231

March 15, 2001

NT Syrc/projects/2001/01-0231/security\_cluster.mpl



# Security Cluster Area

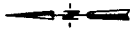
**EXPLANATION**  
Security Cluster Buildings

**Standard Map Features**  
Buildings and other structures  
Solar Evaporation Ponds (SEP)

Lakes and ponds  
Streams, ditches, or other  
drainage features

Fences and other barriers  
Paved roads  
Dirt roads

All buildings shown on this map  
have been measured and shown  
to the nearest foot. The map  
is not to be used for navigation  
purposes.



Scale = 1" = 5370'  
1 inch represents approximately 448 feet



State Plane Coordinate Projection  
Colorado Central Zone  
Datum: NAD27

U.S. Department of Energy  
Rocky Flats Environmental Technology Site

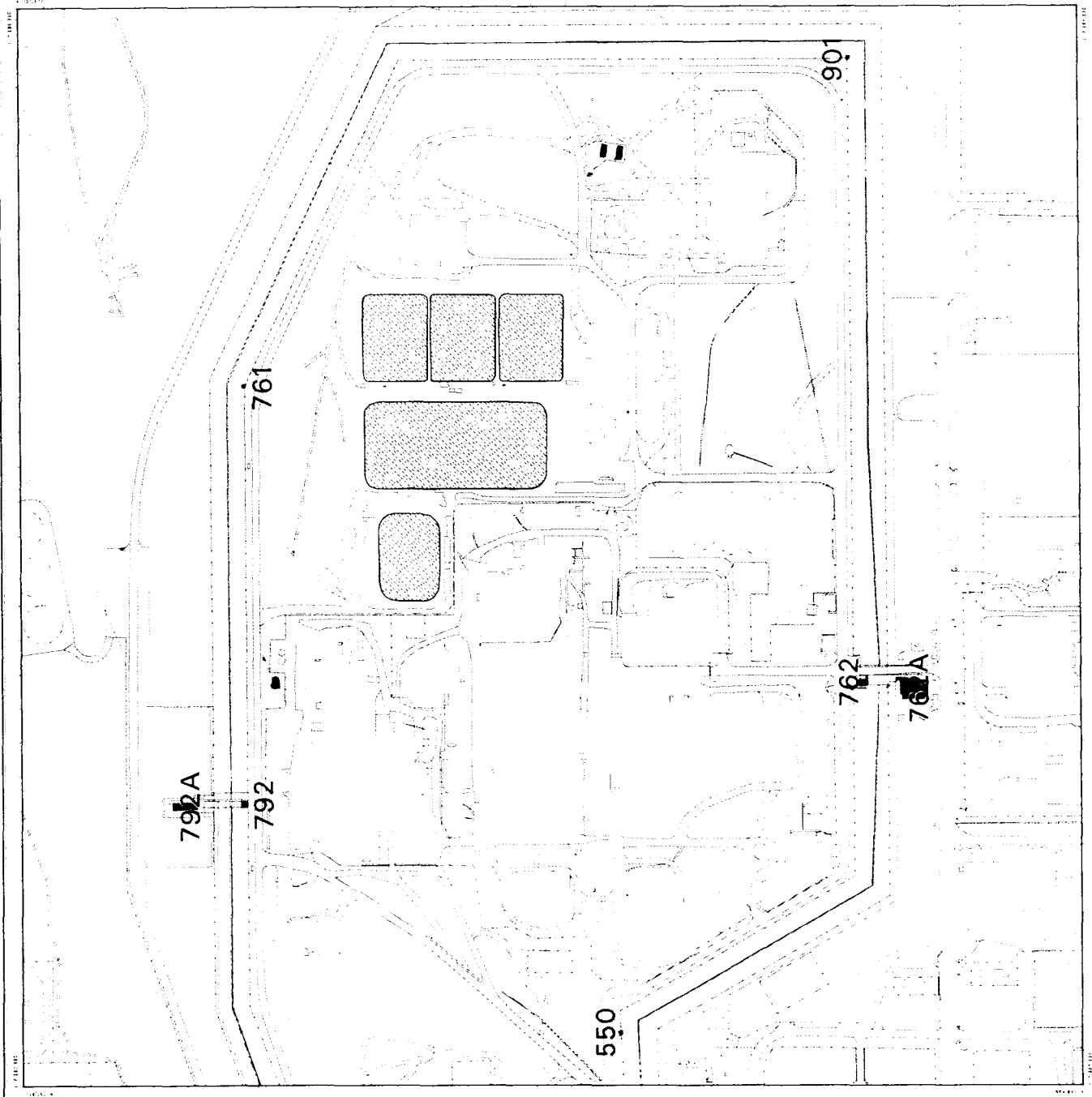
Prepared by: **DynCorp**

Prepared for: **KANSAS CITY**

MAP ID: 01-0231

March 15, 2001

NT Syrc:/projects/2001/01-0231/security\_cluster.mpl

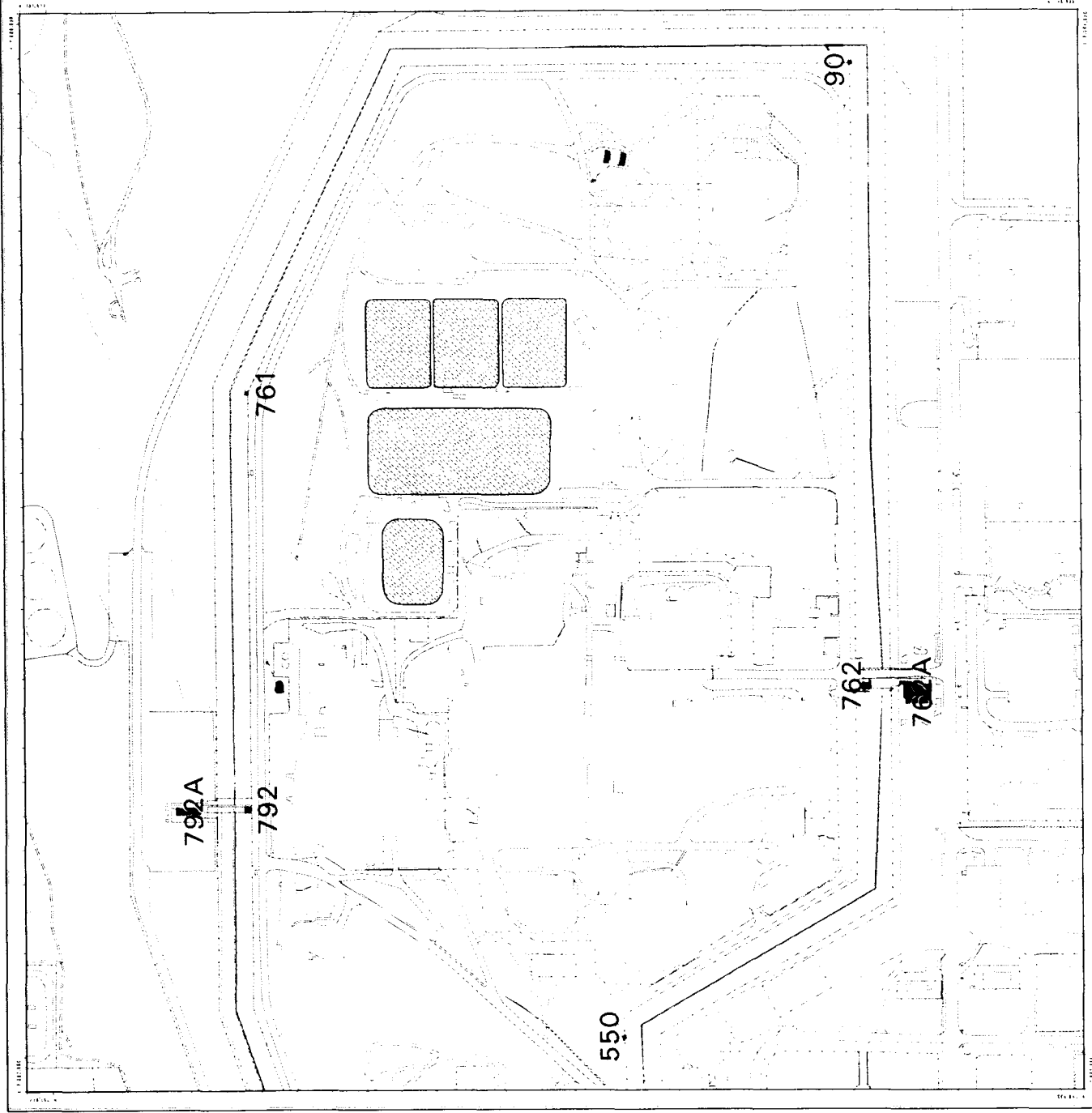
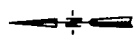


# Security Cluster Area

- EXPLANATION**
- Security Cluster Buildings
  - Standard Map Features**
    - Buildings and other structures
    - Solar Evaporation Ponds (SEP)
    - Lakes and ponds
    - Streams, ditches, or other drainage features
    - Fences and other barriers
    - Paved roads
    - Dirt roads
- OUR SOURCE MAP FEATURES  
 Buildings and other structures are shown as solid black shapes.  
 Paved roads are shown as solid black lines.  
 Dirt roads are shown as dashed black lines.  
 Fences and other barriers are shown as thin black lines.  
 Streams, ditches, or other drainage features are shown as blue lines.  
 Lakes and ponds are shown as blue shapes.  
 Solar Evaporation Ponds (SEP) are shown as hatched shapes.

Scale 1:50,000  
 1 inch represents approximately 448 feet

State Plane Coordinate Projection  
 Colorado Central Zone  
 Datum: NAD27



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Prepared by:  
**DynCorp**  
 ... ..  
 Prepared for:  
**Kaiser-Hill**  
 Date: 303-966-1701  
 March 15, 2001  
 MAP ID: 01-0231

15/15